AMENDMENTS TO THE CLAIMS

Claims 1-15 (Canceled).

16. (New) A sheet of tissue paper comprising at least one first embossed zone including two arrays having protrusions on one side corresponding to alveoles on an opposite side, the alveoles having a substantially polygonal base; and at least one unembossed zone; wherein

– the alveoles are configured along at least one array, and

– mutually facing sides of two adjacent alveoles subtend a bridge having rectilinear or substantially rectilinear edges of length L greater than a maximum width D of the bridge, wherein at least one bridge is connected to another bridge.

17. (New) Sheet of tissue paper as claimed in claim 16, wherein said at least one bridge connected to said another bridge subtends a path between two of said at least one unembossed zone which are separated by said at least one first embossed zone.

18. (New) Sheet of tissue paper as claimed in claim 16, wherein ratio L/D is greater than 1.

19. (New) Sheet of tissue paper as claimed in claim 16, wherein distance between two adjacent arrays in said first embossed zone are separated by one of said unembossed zone, and is between one and three times a width of said first embossed zone.

20. (New) Sheet of tissue paper as claimed in claim 16, where the polygonal base of said alveoles is triangular.

21. (New) Sheet of tissue paper as claimed in claim 16, wherein at least one wall of the alveoles slopes relative to vertical to a plane of the sheet and is between 20° and 45°.

22. (New) Sheet of tissue paper as claimed in claim 16, wherein the alveoles have an area density of between 4 and 50 alveoles/cm^2.

23. (New) Sheet of tissue paper as claimed in claim 16, wherein linear alveoles have a linear density of between 2 and 20 alveoles/cm.

24. (New) Sheet of tissue paper as claimed in claim 16, further comprising a second sheet of tissue paper joined to said sheet to provide a double-thickness sheet.

25. (New) Sheet of tissue paper as claimed in claim 24, wherein the second sheet is dried by air crossflow.

26. (New) Sheet of tissue paper as claimed in claim 16, wherein said arrays are concentric.

27. (New) A cylinder embossing a sheet as claimed in any one of claims 16 to 26, comprising embossing tips which have a polygonal base which subtend arrays wherein two adjacent embossing tips are configured in such a way that two respective sides of the polygonal base of each of two embossing tips are situated mutually facing and are substantially mutually parallel.

28. (New) Cylinder as claimed in claim 27, wherein the polygonal basis is triangular.

29. (New) Cylinder as claimed in claim 27, wherein subtended between two substantially mutually

parallel sides of the embossing tips is an angle of between 0° and 35°.

30. (New) Cylinder as claimed in claim 27, wherein each embossing tip side subtends an angle (α) between 20° and 45° to a plane perpendicular to a cylinder generatrix defined at said side.

31. (New) A method for manufacturing a sheet as claimed in any one of claims 16 through 26, comprising applying the sheet against an engraved embossing cylinder comprising embossing tips which have a polygonal base which subtend arrays wherein two adjacent embossing tips are configured in such a way that two respective sides of the polygonal base of each of two embossing tips are situated mutually facing and are substantially mutually parallel.

32. (New) A method according to claim 31, wherein the polygonal base is triangular.